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**TONOPAH MERGER
MINING CO.**

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REPORT

ON

**TONOPAH
MERGER
MINING
COMPANY**

BY

JOHN G. KIRCHEN

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JOHN G. KIRCHEN
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Further information can be obtained from the Secretary,
P. C. FISLER, Tonopah, Nevada.



TONOPAH, NEV., March 20th, 1912.

To the Stockholders of

Tonopah Merger Mining Company.

Gentlemen:—

We herewith submit for your consideration the report of Mr. John G. Kirchen, our consulting engineer, on the condition, development, geology, and future possibilities of your property, together with recommendations as to the future development of the same. Mr. Kirchen's high standing as a mining engineer, his unparalleled success as general manager of the Tonopah Extension Mining Company, and his familiarity with surrounding properties, and his recognized conservatism, make the report worthy of full faith and consideration.

This report was deemed necessary to guide your directors in the development that will be immediately instituted and vigorously prosecuted.

Whilst many may not understand the full significance to be given to the description, of the geology, in the report and attached maps, these facts will appear to the casual reader, viz:

(1) That commercial ore has been opened up in your property at a

depth of 1050 feet through a long cross-cut from the Tonopah Extension Mining Company, and that this ore body can be easily reached from your own shaft by sinking 175 feet deeper.

(2) That for over 1000 feet wide in your property the territory is very favorable to discovering other veins and developing a large paying mine.

(3) "In doing this work (recommended) you have every reason to believe that large bodies of pay ore will be developed."

Your company has in its treasury 650,000 shares out of a total of 1,500,000 capitalization.

At the recent annual meeting the following directors and officers were elected, viz:

Joseph G. Butler, Jr., Youngstown, Ohio, President.

Robert C. Hall, Pittsburgh, Pa.

Key Pittman, Tonopah, Nev., Vice-President.

R. T. Harris, Tonopah, Nev., Treasurer.

John G. Kirchen, Tonopah, Nev., General Manager and Consulting Engineer.

P. C. Fisler, Tonopah, Nev., Secty.

F. K. Pittman, Tonopah, Nev.

A new form of certificate has been adopted and hereafter all certificates must be registered by the Nevada First National Bank of Tonopah, at Tonopah, Nevada, we therefore suggest you surrender your old certificates for new ones.

Application to list the stock on the San Francisco Stock and Exchange Board has been made.

On Tuesday morning, March 12th, the board of directors offered 100,000 shares of treasury stock to the people of Tonopah at 20 cents a share. By nightfall every share of the stock had been purchased, with many people still clamoring for an opportunity to purchase. Every share of this stock was sold to miners and business men of Tonopah. No prospectus had been issued, no article has heretofore been published, no advertising has been done. The stock was purchased solely on the knowledge of the buyers and their confidence in the management.

Respectfully submitted by the
Board of Directors.

KEY PITTMAN,
Vice-President.

P. C. FISLER,
Secretary.

Rhyolite-Dacite and encountered quite a large vein 190 feet south of the shaft. A drift was run west about 152 feet on this vein but no commercial ore in quantities was discovered. More drifting should be done on this vein. A crosscut was also run north of the shaft in the Tonopah-Rhyolite-Dacite and at a point 290 feet north, passed through this formation into the cap rock or later andesite and continued in same for 115 feet, when it again entered and continued in the Tonopah-Rhyolite-Dacite for 45 feet and then entered the earlier andesite or the main lode bearing formation. The crosscut continued in this formation for a distance of about 750 feet, or to its north end.

Several small veins were cut in this crosscut north, in the earlier andesite formation. On one of these veins a drift was run west a distance of 170 feet, when it again entered the cap rock. It is quite evident that all of that portion of the crosscut which is in the earlier andesite is just below the contact of this formation with the cap rock.

Am enclosing herewith a cross-section, which illustrates the description given above.

While considerable work has been done in the past on the property owned by your company, the information gained by recent work in the surrounding producing mines indicates that all this work is above the ore zone, consequently efficient exploration work must be done at a greater depth than your present workings.

FUTURE POSSIBILITIES

Much valuable information can be gathered from the recent developments in the surrounding properties as to the future possibilities of your property. The 1050-foot level crosscut from the Tonopah Extension Mine, which is shown on the section herewith enclosed has just entered what appears to be the foot-wall of an ore zone. A vein carrying commercial ore being exposed near the face of this crosscut. In the western part of the Tonopah Midway Mining Company's property, and near the Mizpah fault, a shoot of ore has been developed by that company, which apparently pitches rapidly to the northwest from their present lowest level and toward your property. It, therefore, appears that the mineral-bearing solutions which produced the rich ores in the surrounding pro-

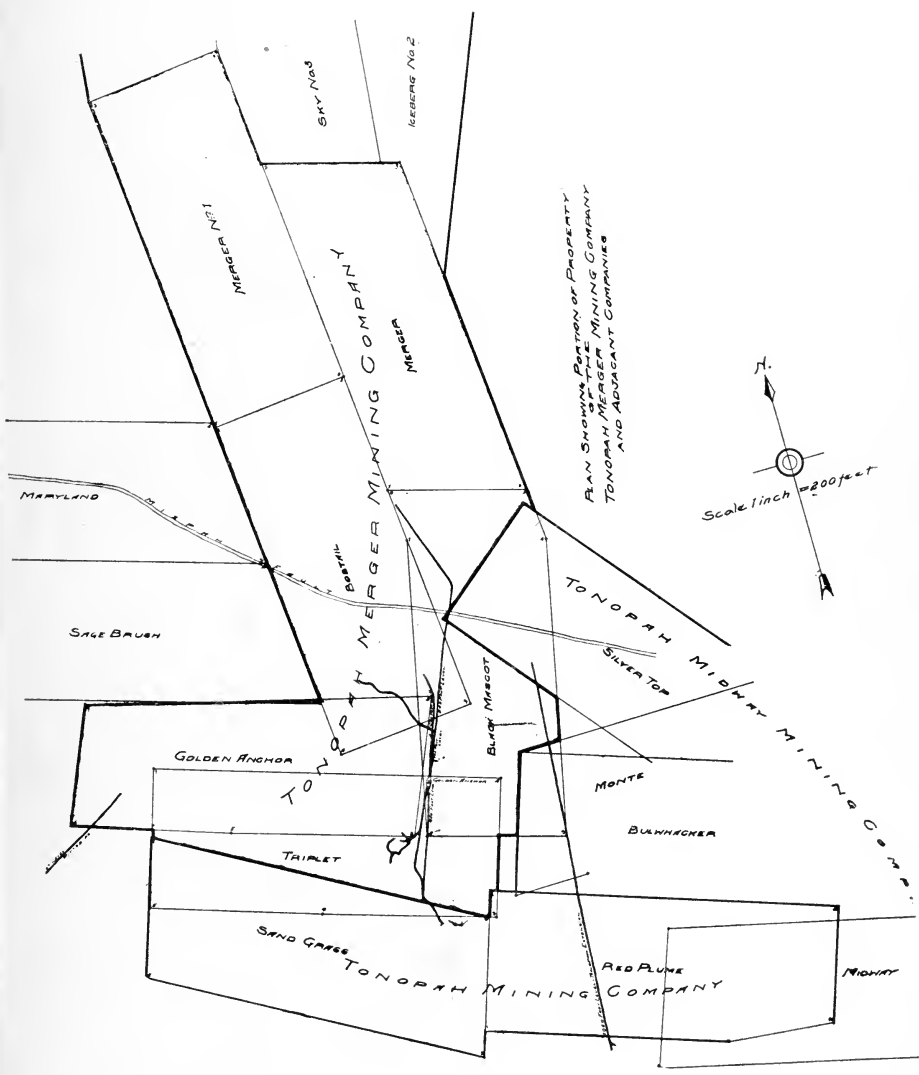
ducing mines, have also traversed through your property, but at a greater depth than your present workings.

From the above, I consider the territory between the end of the 1050-foot level crosscut of the Tonopah Extension Mining Company to the Mizpah fault, which is a distance of probably more than 1000 feet, as very favorable territory for developing a large paying mine. In your future operations I would, therefore, recommend that your present shaft be sunk to a further depth of about 175 feet, and a drift run from the shaft to connect with the Tonopah Extension crosscut. After this work is completed, a crosscut should be run north from this drift through your property to the Mizpah fault. In doing this work you have every reason to believe that large bodies of pay ore will be developed.

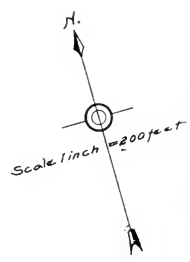
I have come to the above conclusions from much study of conditions in your own mine and in the neighboring producing mines.

Respectfully submitted,

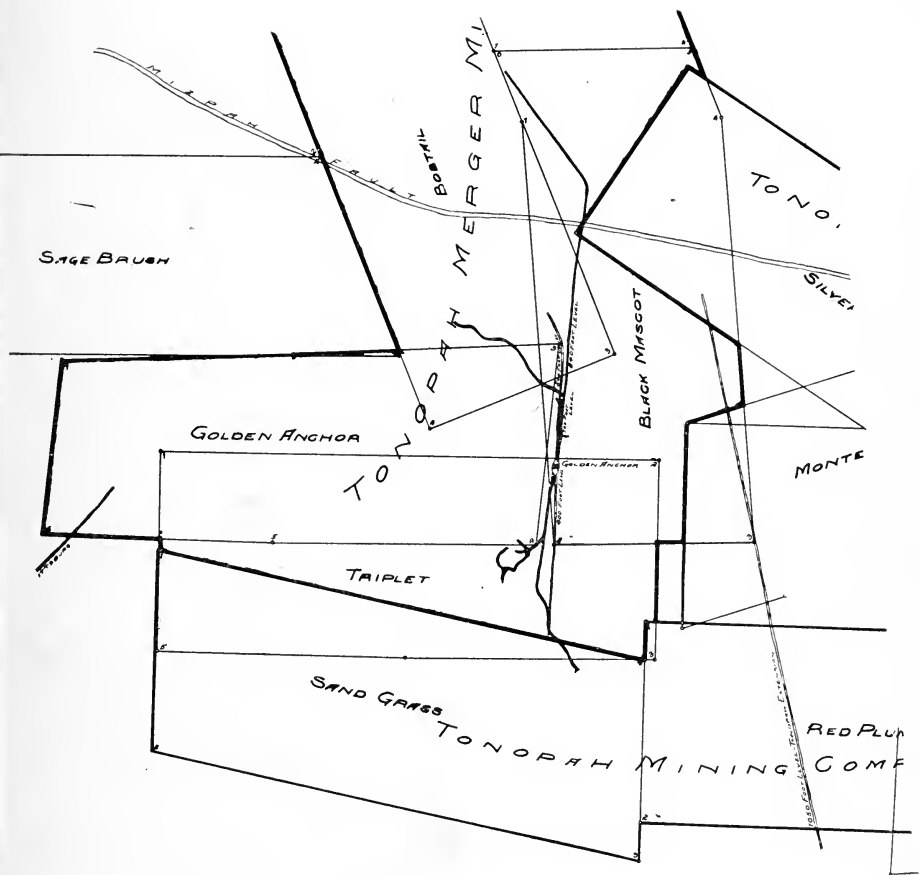
JOHN G. KIRCHEN.



PLAN SHOWING PORTION OF PROPERTY
OF THE MINING COMPANY
TONOPAH MERGER MINING COMPANY
AND ADJACENT COMPANIES



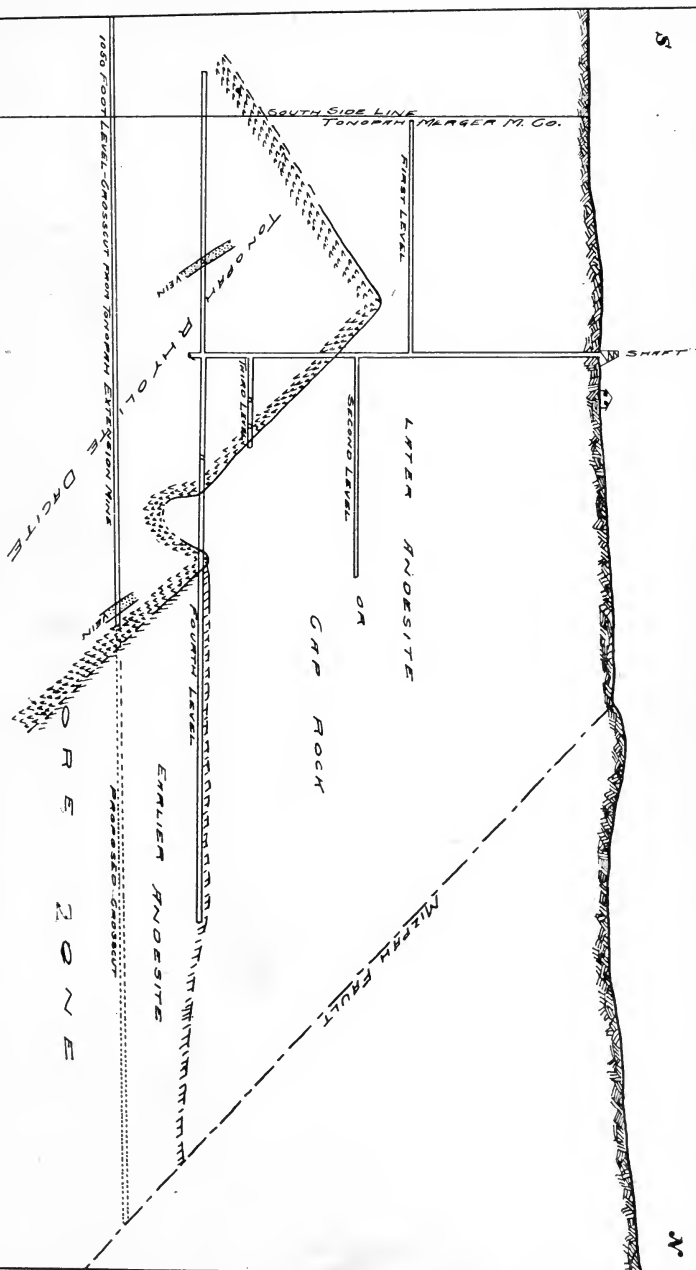






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CROSS SECTION
THRU PROPERTY OF
TONOPAH MERGER MINING CO.
Scale: 1" = 200'





